RAW SEQUENCE LISTING
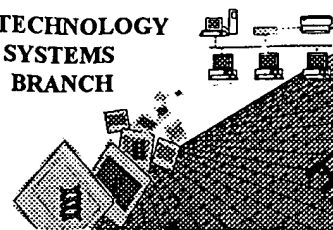# ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/852,910 A_

Source: _1600_

Date Processed by STIC: _· 10/20/2003_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):
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Revised 10/08/2003

1600

```
 3 <110> APPLICANT: GILCHRIST, ANNETTE
 4        HAMM, HEIDI
 6 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED
RECEPTOR
 7        SIGNALING
 9 <130> FILE REFERENCE: 2661-101
11 <140> CURRENT APPLICATION NUMBER: US 09/852910A
12 <141> CURRENT FILING DATE: 2001-05-11
14 <150> PRIOR APPLICATION NUMBER: US 60/275472
15 <151> PRIOR FILING DATE: 2001-03-14
17 <160> NUMBER OF SEQ ID NOS: 271
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 4
23 <212> TYPE: PRT
24 <213> ORGANISM: Mammal
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (1)..(4)
31 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (1)..(4)
36 <223> OTHER INFORMATION: MBP-G11
38 <400> SEQUENCE: 1
40 Xaa Xaa Xaa Xaa
41 1
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 11
46 <212> TYPE: PRT
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 2
51 Leu Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val
52 1               5                   10
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 4
57 <212> TYPE: PRT
58 <213> ORGANISM: Mammal
60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature
62 <222> LOCATION: (1)..(4)
63 <223> OTHER INFORMATION: PAR-13
66 <400> SEQUENCE: 3
68 Val Arg Pro Ser
```

W-->

**Does Not Comply
Corrected Diskette Needed**

see pp. 6-7

RAW SEQUENCE LISTING   DATE: 10/20/2003
PATENT APPLICATION: US/09/852,910A   TIME: 07:49:21

        Input Set : A:\2661-101.txt
        Output Set: N:\CRF4\10202003\I852910A.raw

69 1
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 11
74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Gq peptide library sequence
81 <400> SEQUENCE: 4
83 Leu Gln Leu Asn Arg Asn Glu Tyr Tyr Leu Val
84 1   5   10
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 4
89 <212> TYPE: PRT
90 <213> ORGANISM: Mammal
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (1)..(4)
95 <223> OTHER INFORMATION: PAR-23
98 <400> SEQUENCE: 5
100 Leu Ser Arg Ser
101 1
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 11
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Gq peptide library sequence
113 <400> SEQUENCE: 6
115 Leu Gln Gln Lys Leu Lys Glu Tyr Ser Leu Val
116 1   5   10
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 4
121 <212> TYPE: PRT
122 <213> ORGANISM: Mammal
124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
126 <222> LOCATION: (1)..(4)
127 <223> OTHER INFORMATION: PAR-33
130 <400> SEQUENCE: 7
132 Leu Ser Thr Asn
133 1
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 11
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Gq peptide library sequence
145 <400> SEQUENCE: 8
147 Leu His Leu Asn Leu Lys Glu Tyr Asn Leu Val

RAW SEQUENCE LISTING   DATE: 10/20/2003
PATENT APPLICATION: **US/09/852,910A**   TIME: 07:49:21

Input Set : **A:\2661-101.txt**
Output Set: **N:\CRF4\10202003\I852910A.raw**

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148 1                   5                    10
151 <210> SEQ ID NO: 9
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154 <213> ORGANISM: Mammal
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (1)..(4)
159 <223> OTHER INFORMATION: PAR-34
162 <400> SEQUENCE: 9
164 Leu Pro Gln Met
165 1
168 <210> SEQ ID NO: 10
169 <211> LENGTH: 11
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Gq peptide library sequence
177 <400> SEQUENCE: 10
179 Gln Arg Leu Asn Val Gly Glu Tyr Asn Leu Val
180 1               5                    10
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 4
185 <212> TYPE: PRT
186 <213> ORGANISM: Mammal
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (1)..(4)
191 <223> OTHER INFORMATION: PAR-45
194 <400> SEQUENCE: 11
196 Ser Arg His Thr
197 1
200 <210> SEQ ID NO: 12
201 <211> LENGTH: 11
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Gq peptide library sequence
209 <400> SEQUENCE: 12
211 Leu Arg Leu Asn Gly Lys Glu Leu Asn Leu Val
212 1               5                    10
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 11
217 <212> TYPE: PRT
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 13
222 Gln Arg Met His Leu Arg Gln Tyr Glu Leu Leu
223 1               5                    10
226 <210> SEQ ID NO: 14
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RAW SEQUENCE LISTING   DATE: 10/20/2003
PATENT APPLICATION: US/09/852,910A   TIME: 07:49:21

Input Set : A:\2661-101.txt
Output Set: N:\CRF4\10202003\I852910A.raw

227 <211> LENGTH: 67
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: G alpha t library construct
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: (9)..(10)
238 <223> OTHER INFORMATION: n is a, c, g, or t
240 <220> FEATURE:
241 <221> NAME/KEY: misc_feature
242 <222> LOCATION: (12)..(13)
243 <223> OTHER INFORMATION: n is a, c, g, or t
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: (15)..(16)
248 <223> OTHER INFORMATION: n is a, c, g, or t
250 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
252 <222> LOCATION: (18)..(19)
253 <223> OTHER INFORMATION: n is a, c, g, or t
255 <400> SEQUENCE: 14
W--> 256 gaggtggtnn knnknnknnk attcgtgaaa acttaaaaga ttgtggtcgt ttctaactaa   60
258 gtaaagc   67
261 <210> SEQ ID NO: 15
262 <211> LENGTH: 11
263 <212> TYPE: PRT
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 15
268 Ile Lys Glu Asn Leu Lys Asp Cys Gly Leu Phe
269 1   5   10
272 <210> SEQ ID NO: 16
273 <211> LENGTH: 33
274 <212> TYPE: DNA
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 16
278 atcaaggaga acctgaaaga ctgcggcctc ttc   33
281 <210> SEQ ID NO: 17
282 <211> LENGTH: 11
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 17
288 Ile Lys Asn Asn Leu Lys Asp Cys Gly Leu Phe
289 1   5   10
292 <210> SEQ ID NO: 18
293 <211> LENGTH: 33
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 18

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298 ataaaaaata atctaaaaga ttgtggtctc ttc                        33
301 <210> SEQ ID NO: 19
302 <211> LENGTH: 11
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: G alpha i 1/2 sequence in random order
310 <400> SEQUENCE: 19
312 Asn Gly Ile Lys Cys Leu Phe Asn Asp Lys Leu
313 1               5                   10
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 33
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: G alpha i 1/2 sequence in random order
325 <400> SEQUENCE: 20
326 aacggcatca agtgcctctt caacgacaag ctg                        33
329 <210> SEQ ID NO: 21
330 <211> LENGTH: 11
331 <212> TYPE: PRT
332 <213> ORGANISM: Homo sapiens
334 <400> SEQUENCE: 21
336 Ile Lys Asn Asn Leu Lys Glu Cys Gly Leu Tyr
337 1               5                   10
340 <210> SEQ ID NO: 22
341 <211> LENGTH: 33
342 <212> TYPE: DNA
343 <213> ORGANISM: Homo sapiens
345 <400> SEQUENCE: 22
346 attaaaaaca acttaaagga atgtggactt tat                        33
349 <210> SEQ ID NO: 23
350 <211> LENGTH: 11
351 <212> TYPE: PRT
352 <213> ORGANISM: Homo sapiens
354 <400> SEQUENCE: 23
356 Ile Ala Lys Asn Leu Arg Gly Cys Gly Leu Tyr
357 1               5                   10
360 <210> SEQ ID NO: 24
361 <211> LENGTH: 33
362 <212> TYPE: DNA
363 <213> ORGANISM: Homo sapiens
365 <400> SEQUENCE: 24
366 atcgccaaaa acctgcgggg ctgtggactc tac                        33
369 <210> SEQ ID NO: 25
370 <211> LENGTH: 11
371 <212> TYPE: PRT
372 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 25
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<210> SEQ ID NO 43
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: :
<400> SEQUENCE: 43
      gatccgccgc caccatggga                                    20
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see p. 7 for error explanation

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/20/2003
PATENT APPLICATION: US/09/852,910A   TIME: 07:49:22

Input Set : **A:\2661-101.txt**
Output Set: **N:\CRF4\10202003\I852910A.raw**

FYI

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4
Seq#:14; N Pos. 9,10,12,13,15,16,18,19
Seq#:118; N Pos. 9,10,12,13,15,16,18,19
Seq#:119; N Pos. 9,10,12,13,15,16,18,19
Seq#:120; N Pos. 9,10,12,13,15,16,18,19
Seq#:121; N Pos. 9,10,12,13,15,16,18,19
Seq#:122; N Pos. 9,10,12,13,15,16,18,19
Seq#:123; N Pos. 9,10,12,13,15,16,18,19

Use of <220> Feature(NEW RULES):
Sequence(s)__are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:43   *error explanation*

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:553 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:43, <213>
ORGANISM:Artificial Sequence
L:553 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:43, <213>
ORGANISM:Artificial Sequence
L:553 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:43,Line#:553
L:1530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
L:1565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0
L:1600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:0
L:1635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0
L:1670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
L:1705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:0